

NIPPON KINZOKU's Welded and Drawn Pipe "Fine Pipe" Surpasses Seamless Pipes

- Resource-saving, High Pressure Resistance, and High Durability than Seamless Pipes -

NIPPON KINZOKU CO., LTD. (TOKYO: 5491) (Headquarters: Minato-ku, Tokyo) have realized welded and drawn tubes "Fine Pipe" with excellent quality above seamless pipes by using particularly selected materials by us as a material manufacturer.

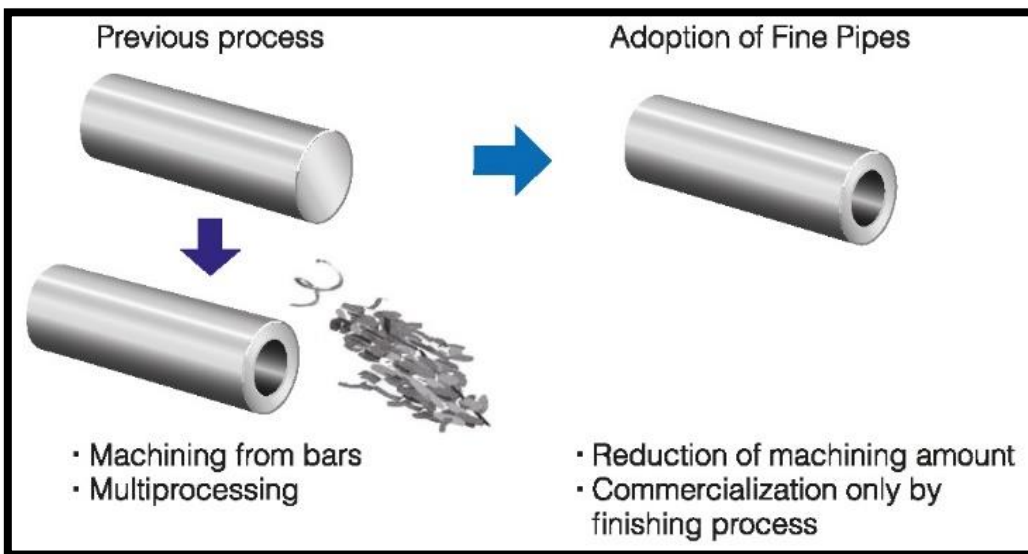


Fig1. Eliminate machining chips leads eco-friendly process

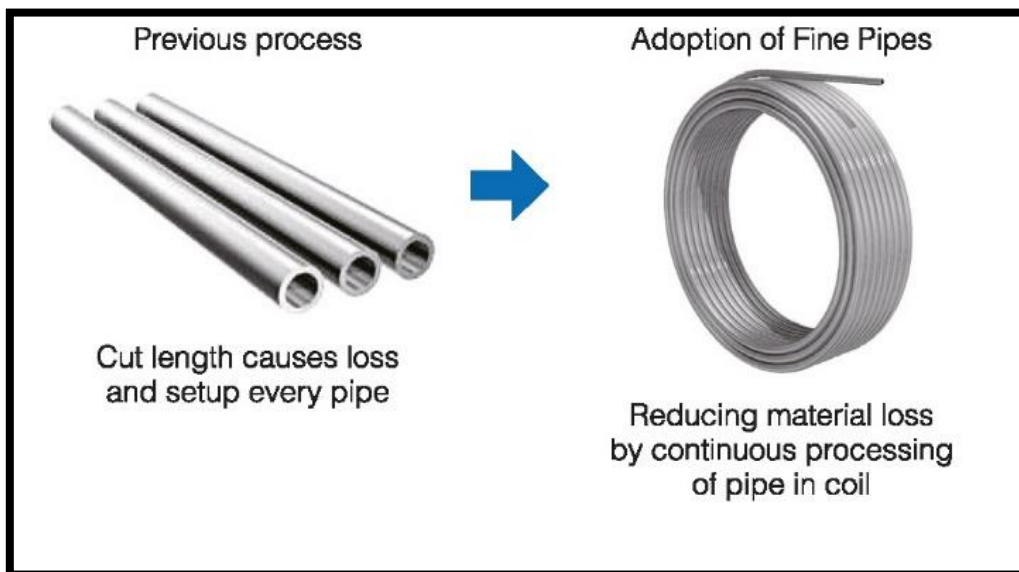


Fig2. Contributing cost down and productivity improvement

We provide the products with excellent quality at low cost by applying our own process (welding-drawing-annealing) and the latest specially designed facilities. We guarantee our products with an inspection system that meets our customers' specifications.

Features

1. Eco products (Fig.1)

By switching from seamless pipes, the cutting process can be omitted which can save resources and reduce costs significantly.

2. Integrated manufacturing from materials

We select the optimum material based on customers' specifications.

3. Pressure resistance and durability surpassing seamless pipes

Due to less uneven thickness and unique welding technology, it has pressure resistance and durability that surpass that of seamless pipes.

4. High precision and low cost

Fine pipes made with high precision materials and proprietary pipe-forming technology are more precise than welded pipes and less expensive than seamless pipes.

5. Productivity improvement (Fig.2)

Conventional fixed-length products require set-up for each piece, resulting in losses, but continuous processing of coiled products can reduce these losses.

6. Selectable product forms

The product is available in the form most convenient for the customer such as coil-wound, standard-length, pre-cut to length and special processing.

7. Our own welding technology

Fine pipes with controlled over the whole length of the weld have more excellent properties than seamless pipes.

8. Quality assurance system

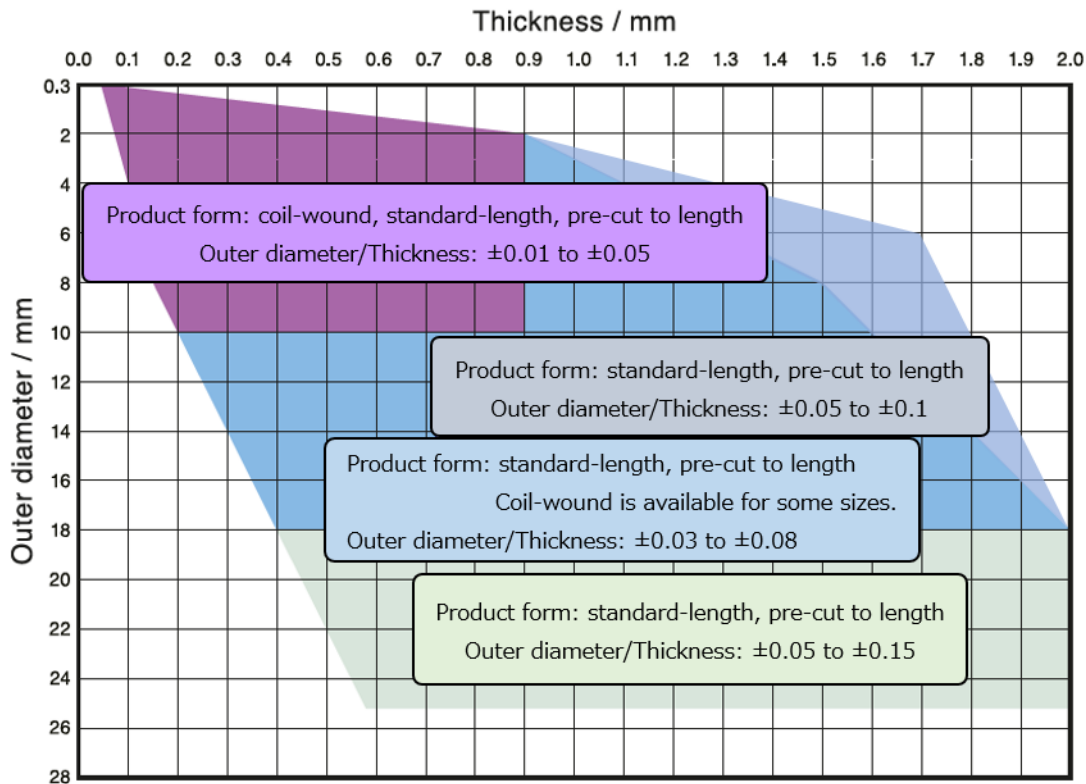
We are carried out various inspections in each process from the materials to finished products. We guarantee our products with an inspection system that meets our customers' specifications.

Steel grades

Stainless: SUS304(L), SUS316(L), SUS310S, and others

Others: Nickel alloy, Pure Nickel, Perm alloy, Titanium and others

Available Size



* Steel grades and available sizes are rough guideline. For specifications not listed above, please contact us individually.

Application examples

1) Automotive parts

NIPPON KINZOKU's pipes are high-quality and extremely reliable, and therefore have a key role in automotive components such as fuel pipes and sensor components. Additionally, they meet wide range specification such as Thick-walled tube for high pressure (OD: less than 20mm, thickness: Maximum 2.0mm), Heat-resistant alloys for high-temperature applications (SUS310S, Inconel601 etc.) based on long-time know-how as the materials manufacture.

2) Measurement and industrial equipment

Fine pipes with high-precision finishing in terms of internal surface roughness, circularity and straightness, and made to optimum quality for each application, are adopted in a various fields as key parts.

3) Stationery (nib), analysis equipment and Others

Special processing is also available in addition to common pipes. Secondary operations such as sealing the end of small diameter and long pipes, machining, pressing and drawing, which are not possible with drawing, as well as long coiling of multiplexed and internally filled pipes are also available.

About NIPPON KINZOKU Group

Our products have been used in a range of areas from the precision field to the construction industry. <https://www.nipponkinzoku.co.jp/en/>

Note: This document has been translated from a part of the Japanese original for reference purposes only. In the event of any discrepancy between this translated document and the Japanese original, the original shall prevail.

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